



IFWO

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/802,228

TIME: 16:32:32

Input Set : D:\~1907309.txt

Output Set: N:\CRF4\09232004\J802228.raw



3 <110> APPLICANT: Pulst, Stefan M
 5 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OF OBESITY
 7 <130> FILE REFERENCE: 825466-100151
 9 <140> CURRENT APPLICATION NUMBER: 10/802,228
 10 <141> CURRENT FILING DATE: 2004-03-16
 12 <160> NUMBER OF SEQ ID NOS: 2
 14 <170> SOFTWARE: PatentIn version 3.3
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 4481
 18 <212> TYPE: DNA
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88 gtctctacta tgcctaaacg catgtcttca gaagggcctc caaggatgtc cccaaaggcc 2040
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178 <400> SEQUENCE: 2

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184 Ser Arg Arg Phe Ala Ala Ala Arg Trp Pro Gly Trp Arg Ser Leu Gln
185 20 25 30
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189 35 40 45
192 Pro Tyr Pro Ser Ala Ala Pro Pro Pro Gly Pro Gly Pro Pro Pro
193 50 55 60
196 Ser Arg Gln Ser Ser Pro Pro Ser Ala Ser Asp Cys Phe Gly Ser Asn
197 65 70 75 80
200 Gly Asn Gly Gly Gly Ala Phe Arg Pro Gly Ser Arg Arg Leu Leu Gly
201 85 90 95
204 Leu Gly Gly Pro Pro Arg Pro Phe Val Val Val Leu Leu Pro Leu Ala
205 100 105 110
208 Ser Pro Gly Ala Pro Pro Ala Ala Pro Thr Arg Ala Ser Pro Leu Gly
209 115 120 125
212 Ala Arg Ala Ser Pro Pro Arg Ser Gly Val Ser Leu Ala Arg Pro Ala
213 130 135 140
216 Pro Gly Cys Pro Arg Pro Ala Cys Glu Pro Val Tyr Gly Pro Leu Thr
217 145 150 155 160
220 Met Ser Leu Lys Pro Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
221 165 170 175
224 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Pro Ala Ala
225 180 185 190
228 Ala Asn Val Arg Lys Pro Gly Gly Ser Gly Leu Leu Ala Ser Pro Ala
229 195 200 205
232 Ala Ala Pro Ser Pro Ser Ser Ser Ser Val Ser Ser Ser Ser Ala Thr
233 210 215 220
236 Ala Pro Ser Ser Val Val Ala Ala Thr Ser Gly Gly Gly Arg Pro Gly
237 225 230 235 240
240 Leu Gly Arg Gly Arg Asn Ser Asn Lys Gly Leu Pro Gln Ser Thr Ile
241 245 250 255
244 Ser Phe Asp Gly Ile Tyr Ala Asn Met Arg Met Val His Ile Leu Thr
245 260 265 270
248 Ser Val Val Gly Ser Lys Cys Glu Val Gln Val Lys Asn Gly Gly Ile
249 275 280 285
252 Tyr Glu Gly Val Phe Lys Thr Tyr Ser Pro Lys Cys Asp Leu Val Leu
253 290 295 300
256 Asp Ala Ala His Glu Lys Ser Thr Glu Ser Ser Ser Gly Pro Lys Arg
257 305 310 315 320
260 Glu Glu Ile Met Glu Ser Ile Leu Phe Lys Cys Ser Asp Phe Val Val
261 325 330 335
264 Val Gln Phe Lys Asp Met Asp Ser Ser Tyr Ala Lys Arg Asp Ala Phe
265 340 345 350
268 Thr Asp Ser Ala Ile Ser Ala Lys Val Asn Gly Glu His Lys Glu Lys
269 355 360 365
272 Asp Leu Glu Pro Trp Asp Ala Gly Glu Leu Thr Ala Asn Glu Glu Leu
273 370 375 380
276 Glu Ala Leu Glu Asn Asp Val Ser Asn Gly Trp Asp Pro Asn Asp Met

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285          420          425          430
288 Phe Leu Lys Arg Glu Ala Arg Ala Asn Gln Leu Ala Glu Ile Glu
289          435          440          445
292 Ser Ser Ala Gln Tyr Lys Ala Arg Val Ala Leu Glu Asn Asp Asp Arg
293          450          455          460
296 Ser Glu Glu Glu Lys Tyr Thr Ala Val Gln Arg Asn Ser Ser Glu Arg
297 465          470          475          480
300 Glu Gly His Ser Ile Asn Thr Arg Glu Asn Lys Tyr Ile Pro Pro Gly
301          485          490          495
304 Gln Arg Asn Arg Glu Val Ile Ser Trp Gly Ser Gly Arg Gln Asn Ser
305          500          505          510
308 Pro Arg Met Gly Gln Pro Gly Ser Gly Ser Met Pro Ser Arg Ser Thr
309          515          520          525
312 Ser His Thr Ser Asp Phe Asn Pro Asn Ser Gly Ser Asp Gln Arg Val
313          530          535          540
316 Val Asn Gly Gly Val Pro Trp Pro Ser Pro Cys Pro Ser Pro Ser Ser
317 545          550          555          560
320 Arg Pro Pro Ser Arg Tyr Gln Ser Gly Pro Asn Ser Leu Pro Pro Arg
321          565          570          575
324 Ala Ala Thr Pro Thr Arg Pro Pro Ser Arg Pro Pro Ser Arg Pro Ser
325          580          585          590
328 Arg Pro Pro Ser His Pro Ser Ala His Gly Ser Pro Ala Pro Val Ser
329          595          600          605
332 Thr Met Pro Lys Arg Met Ser Ser Glu Gly Pro Pro Arg Met Ser Pro
333          610          615          620
336 Lys Ala Gln Arg His Pro Arg Asn His Arg Val Ser Ala Gly Arg Gly
337 625          630          635          640
340 Ser Ile Ser Ser Gly Leu Glu Phe Val Ser His Asn Pro Pro Ser Glu
341          645          650          655
344 Ala Ala Thr Pro Pro Val Ala Arg Thr Ser Pro Ser Gly Gly Thr Trp
345          660          665          670
348 Ser Ser Val Val Ser Gly Val Pro Arg Leu Ser Pro Lys Thr His Arg
349          675          680          685
352 Pro Arg Ser Pro Arg Gln Asn Ser Ile Gly Asn Thr Pro Ser Gly Pro
353          690          695          700
356 Val Leu Ala Ser Pro Gln Ala Gly Ile Ile Pro Thr Glu Ala Val Ala
357 705          710          715          720
360 Met Pro Ile Pro Ala Ala Ser Pro Thr Pro Ala Ser Pro Ala Ser Asn
361          725          730          735
364 Arg Ala Val Thr Pro Ser Ser Glu Ala Lys Asp Ser Arg Leu Gln Asp
365          740          745          750
368 Gln Arg Gln Asn Ser Pro Ala Gly Asn Lys Glu Asn Ile Lys Pro Asn
369          755          760          765
372 Glu Thr Ser Pro Ser Phe Ser Lys Ala Glu Asn Lys Gly Ile Ser Pro
373          770          775          780

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377 785 790 795 800
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381 805 810 815
384 Leu Leu Asn Lys Asn Arg Glu Gly Glu Lys Ser Arg Asp Leu Ile Lys
385 820 825 830
388 Asp Lys Ile Glu Pro Ser Ala Lys Asp Ser Phe Ile Glu Asn Ser Ser
389 835 840 845
392 Ser Asn Cys Thr Ser Gly Ser Ser Lys Pro Asn Ser Pro Ser Ile Ser
393 850 855 860
396 Pro Ser Ile Leu Ser Asn Thr Glu His Lys Arg Gly Pro Glu Val Thr
397 865 870 875 880
400 Ser Gln Gly Val Gln Thr Ser Ser Pro Ala Cys Lys Gln Glu Lys Asp
401 885 890 895
404 Asp Lys Glu Glu Lys Lys Asp Ala Ala Glu Gln Val Arg Lys Ser Thr
405 900 905 910
408 Leu Asn Pro Asn Ala Lys Glu Phe Asn Pro Arg Ser Phe Ser Gln Pro
409 915 920 925
412 Lys Pro Ser Thr Thr Pro Thr Ser Pro Arg Pro Gln Ala Gln Pro Ser
413 930 935 940
416 Pro Ser Met Val Gly His Gln Gln Pro Thr Pro Val Tyr Thr Gln Pro
417 945 950 955 960
420 Val Cys Phe Ala Pro Asn Met Met Tyr Pro Val Pro Val Ser Pro Gly
421 965 970 975
424 Val Gln Pro Leu Tyr Pro Ile Pro Met Thr Pro Met Pro Val Asn Gln
425 980 985 990
428 Ala Lys Thr Tyr Arg Ala Val Pro Asn Met Pro Gln Gln Arg Gln Asp
429 995 1000 1005
432 Gln His His Gln Ser Ala Met Met His Pro Ala Ser Ala Ala Gly
433 1010 1015 1020
436 Pro Pro Ile Ala Ala Thr Pro Pro Ala Tyr Ser Thr Gln Tyr Val
437 1025 1030 1035
440 Ala Tyr Ser Pro Gln Gln Phe Pro Asn Gln Pro Leu Val Gln His
441 1040 1045 1050
444 Val Pro His Tyr Gln Ser Gln His Pro His Val Tyr Ser Pro Val
445 1055 1060 1065
448 Ile Gln Gly Asn Ala Arg Met Met Ala Pro Pro Thr His Ala Gln
449 1070 1075 1080
452 Pro Gly Leu Val Ser Ser Ser Ala Thr Gln Tyr Gly Ala His Glu
453 1085 1090 1095
456 Gln Thr His Ala Met Tyr Ala Cys Pro Lys Leu Pro Tyr Asn Lys
457 1100 1105 1110
460 Glu Thr Ser Pro Ser Phe Tyr Phe Ala Ile Ser Thr Gly Ser Leu
461 1115 1120 1125
464 Ala Gln Gln Tyr Ala His Pro Asn Ala Thr Leu His Pro His Thr
465 1130 1135 1140
468 Pro His Pro Gln Pro Ser Ala Thr Pro Thr Gly Gln Gln Gln Ser
469 1145 1150 1155
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